

Product sheet

HK-2 | 305021

General Information

Description
HK-2 is a cell line derived from a human cervical carcinoma. It is characterized by its high growth rate and ability to form colonies in soft agar. The cells are highly tumorigenic and have been shown to induce tumor formation in nude mice. HK-2 cells are widely used in research on cervical cancer biology and as a model system for studying the effects of various treatments on cancer cells.

Organism Human

Tissue Cervix, Cervix Endocervix, Cervix Ectocervix

Synonyms Hk-2, HK2, HK-2-2

Characteristics

Age 20-30

Gender Male

Ethnicity Chinese

Morphology Epithelial

Growth properties Adherent

References

Citation HK-2 (Cytion 305021)

Biosafety level HK-2 is a cell line derived from a human cervical carcinoma. It is classified as a Biosafety Level 1 (ZKBS) cell line. It is not known to be associated with any specific HPV type.

NCBI_TaxID 9606

CellosaurusAccession CVCL_0302

Additional Information

Product sheet

HK-2 | 305021

Receptors expressed EGF receptor (EGF), HER2

Protein expression HER2, EGF receptor, HER3, HER4, HER18, HER19, HER20, HER21, HER22, HER23, HER24, HER25, HER26, HER27, HER28, HER29, HER30, HER31, HER32, HER33, HER34, HER35, HER36, HER37, HER38, HER39, HER40, HER41, HER42, HER43, HER44, HER45, HER46, HER47, HER48, HER49, HER50, HER51, HER52, HER53, HER54, HER55, HER56, HER57, HER58, HER59, HER60, HER61, HER62, HER63, HER64, HER65, HER66, HER67, HER68, HER69, HER70, HER71, HER72, HER73, HER74, HER75, HER76, HER77, HER78, HER79, HER80, HER81, HER82, HER83, HER84, HER85, HER86, HER87, HER88, HER89, HER90, HER91, HER92, HER93, HER94, HER95, HER96, HER97, HER98, HER99, HER100

Media

Culture Medium EMEM (MEM Eagle), w: 2 mM L-Glutamine, w: 2.2 g/L NaHCO₃, w: EBSS (Cytion 820100a)

Supplements 10% FBS 1% NEAA

Dissociation Reagent Trypsin

Subculturing Seed cells into 25 cm² flasks (Corning) or 75 cm² flasks (Corning) in 10% FBS medium. Harvest cells at 70-80% confluency.

Fluid renewal 2-3 times per week

Freeze medium Serum-free medium + 10% DMSO

- Thawing and Culturing Cells**
1. Thaw cells rapidly in a 37°C water bath.
 2. Dilute cells into 10% FBS medium.
 3. Seed cells into 25 cm² flasks (Corning) or 75 cm² flasks (Corning).
 4. Harvest cells at 70-80% confluency.
 5. Seed cells into 25 cm² flasks (Corning) or 75 cm² flasks (Corning) in 10% FBS medium.
 6. Harvest cells at 70-80% confluency.
 7. Seed cells into 25 cm² flasks (Corning) or 75 cm² flasks (Corning) in 10% FBS medium.
 8. Harvest cells at 70-80% confluency.

